

ABSTRACT OF THE DISCLOSURE

In an electric compressor, an inverter case of an inverter is externally attached to an end wall of a housing in an axial direction on the side of a suction port to a compression mechanism. An intake passage for leading fluid returned from the outside into the suction port is provided in the inverter case. The intake passage has a thermal binding portion for thermally binding the intake passage to the inverter. According to the above structure, an exclusive part in the housing is eliminated even though the inverter is installed in the electric compressor, and the inverter is cooled efficiently.